

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORTS

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FOX GEOLOGICAL SERVICES INC.

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Gold Commissioner's Office
VANCOUVER, B.C.

GEOLOGICAL REPORT

on the

TAKEN 1 CLAIM
OMINECA MINING DIVISION
NTS 093F/ 2W, 3E
53°02' North Latitude
125°00' West Longitude

by

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for

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FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

December 22, 1995

24,203

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SUMMARY

The Taken 1 claim is located 165 kilometres west of Quesnel in the Naglico Hills. Road access is available from Vanderhoof, British Columbia. All-terrain-vehicles are necessary for a two kilometre traverse along a fire-access road that leads onto the property.

The Taken 1 claim was staked in 1994, adjacent to the "Tommy" showing, a gold-bearing quartz vein stockwork discovered by the B.C. Geological Survey. Altered, quartz-veined rhyolites were located on the western edge of the property during a preliminary geochemical survey conducted by Phelps Dodge Canada in 1994.

The property is centrally located in the Interior Plateau of British Columbia, within the Intermontaine Belt. The property is underlain by Hazelton Group rhyolitic to basaltic volcanic flows with minor pyroclastics. A fine-grained felsite body intrudes rhyolite in the southwestern portion of the claim. Rhyolite is locally weakly silicified with quartz stringers and limonitic fractures.

The 1995 exploration program, conducted between July 9 and 15, consisted of geological mapping, prospecting and rock sampling. No areas of significant mineralization or alteration were located. Rock samples contained only background concentrations of gold with the exception of two float samples from the vicinity of the southern claim line which contained anomalous gold (up to 936 ppb) and silver (up to 52,654 ppb).

INTRODUCTION

The Taken 1 claim was staked in 1994 to explore for bulk tonnage volcanic-hosted gold deposits. This report describes a program of geological mapping and rock sampling that was conducted on the Taken 1 claim between July 9 and 15, 1995. The results of this work are also discussed herein.

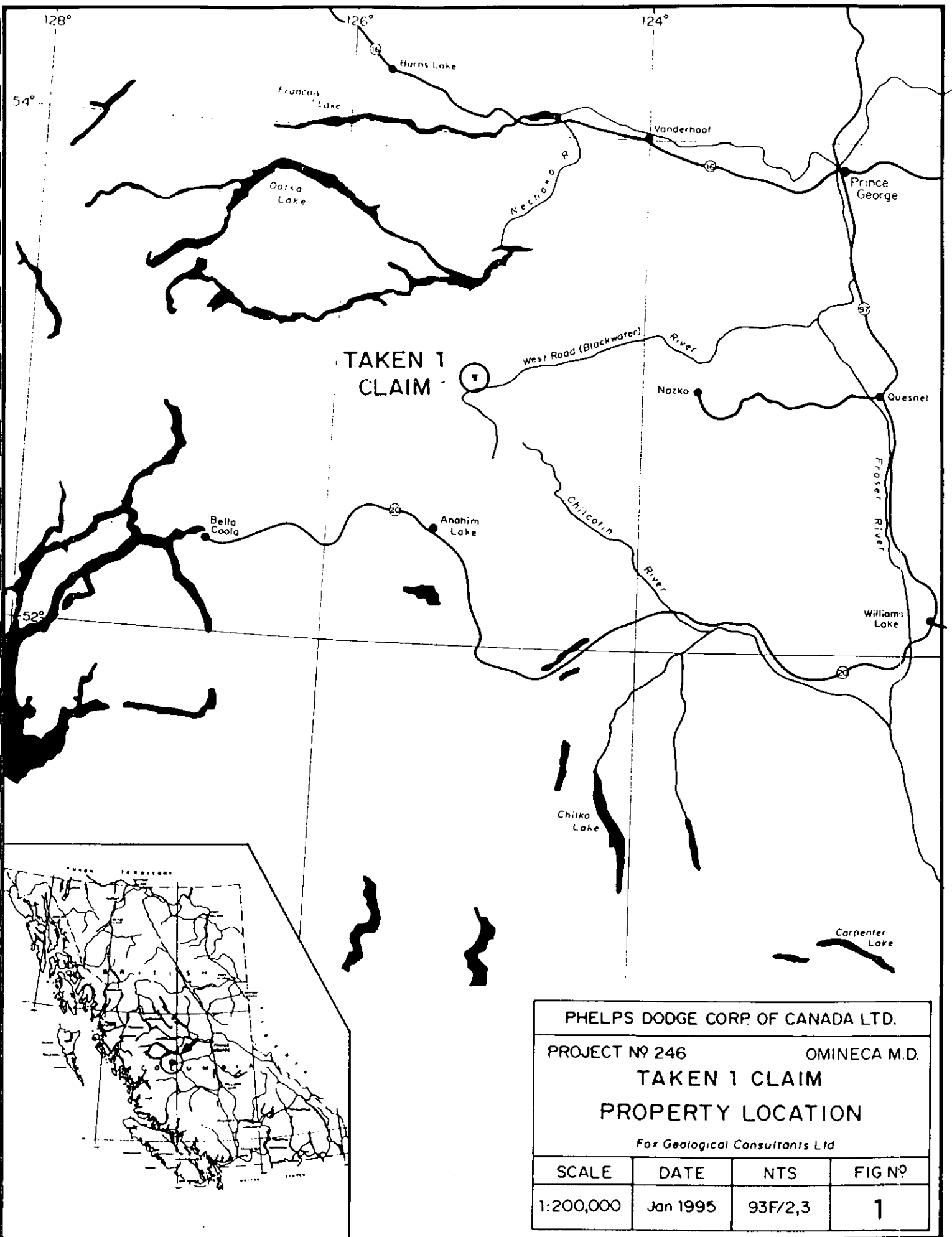
LOCATION, ACCESS and PHYSIOGRAPHY

The Taken 1 claim is located 160 road-kilometres southwest of Vanderhoof, British Columbia in the Naglico Hills. The claim lies between Tommy Lakes and Tsacha Lake, about 3km north of the West Road (Blackwater) River (see Figure 1).

Access from Vanderhoof is via the Kluskus-Ootsa Forest Service Road, southwesterly for 140 kilometres, then along a Forest Service Road which runs southerly through the Naglico Hills. A spur road approaches within 2 kilometres of the property. A fire-access road and all-terrain-vehicles can be used to gain direct access onto the claim.

The property is situated on the lower south- and west-facing slopes of the Naglico Hills, in the Nechako Plateau. Topography consists of gently rolling hills, with elevations ranging from approximately 1550 meters on a knoll in the northwesterly claim area to a low of about 1190 meters in the southeast. A southeasterly flowing tributary to the West Road (Blackwater) River, with associated small lakes, dissects the claim block resulting in some localized, swampy areas. Rock exposures are infrequent, limited to hilltops and steeper slopes within the property.

Forest cover consists primarily of open-spaced spruce and pine which are typical of the area. A large burn occupies the western portion of the claim.



TAKEN 1 CLAIM

PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT NO 246		OMINECA M.D.	
TAKEN 1 CLAIM			
PROPERTY LOCATION			
<i>Fox Geological Consultants Ltd</i>			
SCALE	DATE	NTS	FIG NO
1:200,000	Jan 1995	93F/2,3	1

PROPERTY STATUS

The Taken 1 mineral claim was staked on January 30, 1994 for Phelps Dodge Corporation of Canada Limited. It straddles NTS map sheets 093F/2W and 093F/3E in the Omineca Mining Division of British Columbia (see Figure 2). Claim information is outlined in Table 1 below. The expiry date shown below assumes that current work is accepted for assessment purposes.

Table 1

CLAIM NAME	TENURE NO.	EXPIRY DATE	UNITS
Taken 1	323457	January 30, 1999	20

Taken 1 partially overstakes the adjacent Tam 3 claim, reducing the effective claim area to approximately 18.5 units.

HISTORY

The Taken 1 claim was staked in 1994, pursuant to discovery of an epithermal quartz vein stockwork prospect by the B.C. Geological Survey (Diakow and Webster, 1993). The "Tommy" showing is centrally located on Teck Corporations' adjacent Tsacha claim (see Claim Map, Figure 2). There is no record of previous exploration work on the Taken 1. During 1994, Phelps Dodge Canada conducted a preliminary exploration program of soil geochemistry with minor rock and silt sampling. Altered, quartz-veined rhyolites containing elevated levels of silver and antimony were located near the western margin of the property.

REGIONAL GEOLOGY

The Taken claim is centrally located in the Interior Plateau of British Columbia, within the Intermontaine Belt. Regionally, the Intermontaine Belt consists of Stikinia, Cache Creek and Quesnellia Terranes, composed of late Palaeozoic to mid-Mesozoic marine volcanic and sedimentary rocks and mid-Mesozoic to late Tertiary marine and non-marine sedimentary and volcanic rocks. The Yalakom and Fraser Fault systems bound the plateau to the northeast and southwest. A third fault has been inferred from oil exploration data to bisect the plateau. The Anahim Volcanic Belt, which crosses the plateau in an east-west direction to the south of Taken 1, is composed of a series of alkaline and peralkaline volcanoes of Miocene to Quaternary age which become younger from west to east. Regional Geology is represented in Figure 3.

Vanderhoof 160km

125°00'W

Naglico Hills

0 1000
metres

Tommy
Lakes

Tommy
Showing
X

TSACHA

TASHA
TAM 2

TAKEN 1

TAM 3

TASHA 2

53°02' N

PHELPS DODGE CORP. OF CANADA LTD.

PROJECT N^o 246

OMINECA M.D.

TAKEN 1 CLAIM
CLAIM MAP

Fox Geological Consultants Ltd.

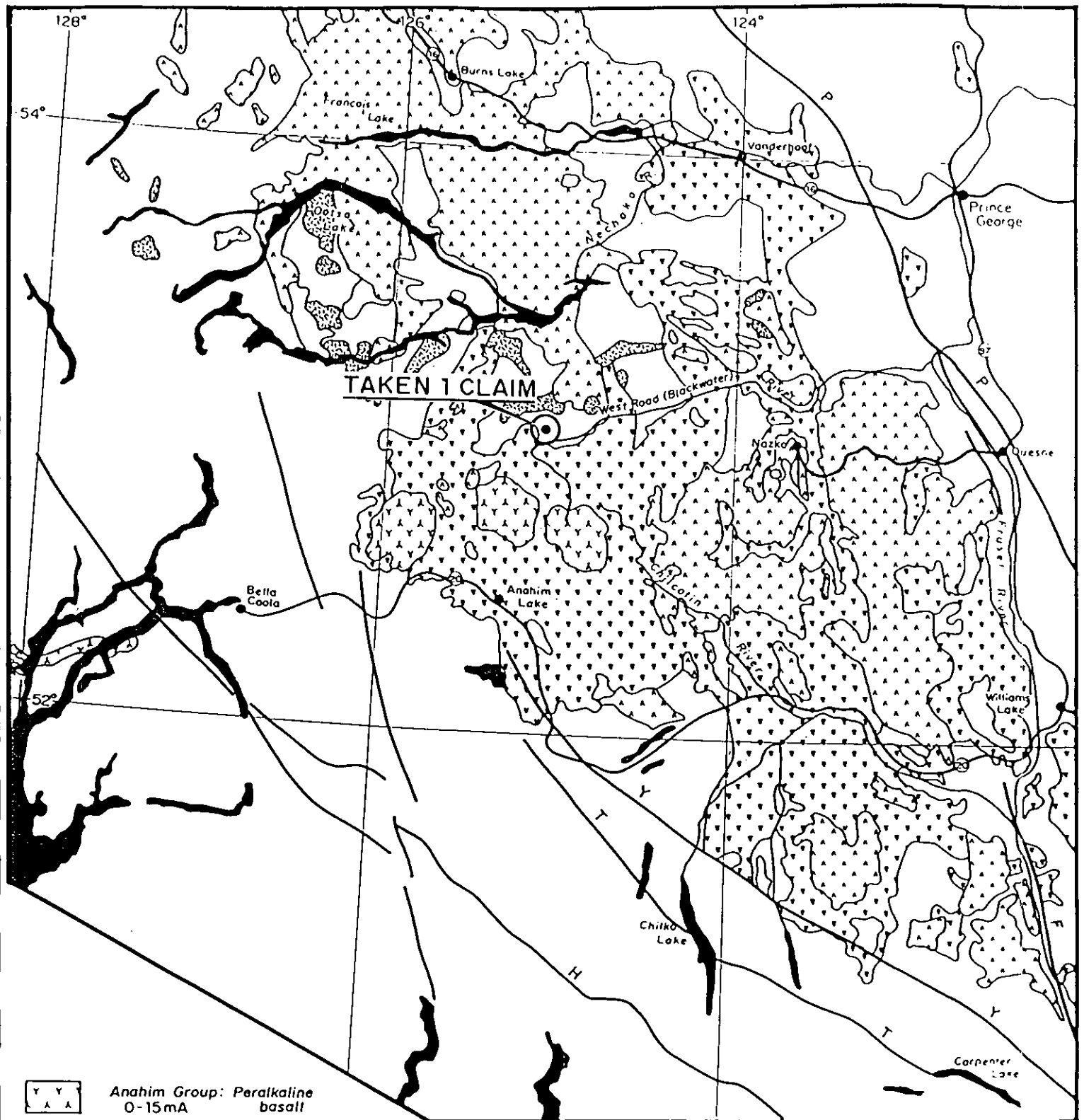
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5






TASHA 1

BLACK 6

West Road (Blackwater) River

SCALE	DATE	NTS	Dwg N ^o
1: 50,000	Jan. 1995	93F/2,3	2



-  Anahim Group: Peralkaline basalt
0-15mA
-  Chilcotin Group: Backarc alkaline, tholeiite basalt
2-10mA
-  Nanika, Quanchus Intrusives: Quartz monzonite, granite
60mA
-  Ootsa Group: Calc-alkaline felsic volcanics
35-70mA
-  Pre-Tertiary rocks and Coast Intrusions

- H - Harrison
- F - Fraser
- T - Tchaikazan
- P - Pinchi
- Y - Yalakom

PHELPS DODGE CORP. OF CANADA LTD.			
PROJECT NO 246		OMINECA M.D.	
TAKEN 1 CLAIM			
REGIONAL GEOLOGY			
<i>Fox Geological Consultants Ltd</i>			
SCALE	DATE	NTS	FIG NO
1:200,000	Jan 1995	93F/3	3

Mapping of the Fawnie Creek area by B.C. Geological Survey geologists Diakow and Webster in 1993 shows the immediate area to be underlain by middle Jurassic Hazelton Group Naglico Formation rhyolitic, andesitic and basaltic flows and lapilli tuffs. Local ash-flow tuff and maroon and green ash tuffs are also present. Hazelton rocks are intruded west and southwest of the property by Tertiary felsite sills believed to be cogenetic with parts of the middle Jurassic volcanic succession. A middle Jurassic mafic plug is located 2km southwest of the Taken 1 claim.

The late Cretaceous Capoose batholith, intrudes Hazelton Group rocks 5km north of the property. The Tommy showing, located about 1.5km west of the Taken 1 LCP, is probably genetically related to emplacement of the batholith. This 'showing' consists of three isolated quartz vein and stockwork veinlet occurrences discovered by Geological Survey Branch geologists during mapping of the Fawnie Creek area. The largest vein, traced for 50m along a trend of 45°, is typically less than 1.5m wide. The vein contains sparry calcite and trace amounts of pyrite. Nine of eleven samples collected contained in excess of 450 ppb Au with values ranging up to 3740 ppb Au and 41.8 ppm Ag (Diakow et.al., 1993).

PROPERTY GEOLOGY

The property is underlain by southwest dipping Hazelton Group volcanics. Andesite and basalt flows outcrop in the northern and central portions of the property. Greyish-green porphyritic andesite is massive, fine grained and weakly to moderately magnetic. Lath-like feldspar phenocrysts range up to 4 millimetres in size. Andesite flows are locally intercalated with massive, strongly magnetic basalt flows.

A thick sequence of grey to maroon rhyolite outcrops in the south and southwest. Rhyolite is aphanitic to porphyritic. Phenocrysts consist of subhedral to anhedral feldspars and rounded quartz eyes. Flow banding and a flow breccia were both observed. Locally within the rhyolite package are thin beds of maroon lapilli tuff. An outcrop of quartz-eye porphyritic dacite is present in the eastern claim area, in the vicinity of the projected basalt/rhyolite contact.

A fine-grained, northwesterly trending, grey felsite body (sill?) intrudes rhyolite along the western claim line. The felsite has local biotite phenocrysts and weak chloritization.

ALTERATION and MINERALIZATION

Alteration consists of weak chloritization accompanied by local epidote-alteration in andesite and basalt. Rhyolite has local areas of weak silicification, quartz stringers, limonitic fractures and weakly clay-altered feldspar phenocrysts. Both mafic and felsic volcanics are moderately calcareous. Minor amounts of disseminated pyrite were observed in all volcanic rocks.

1995 WORK PROGRAM

The property was geologically mapped, prospected and sampled by a five man crew between July 9 and 15, 1995. A total of nine mandays was spent on the property. Geology is compiled at a scale of 1:5,000 and is presented in Figure 4.

A total of 29 rock samples was collected during the course of mapping and prospecting. Rock sample locations are shown in Figure 4 and rock sample descriptions comprise Appendix 1. All samples were submitted to Acme Analytical Laboratories in Vancouver, B.C. for analysis. Rocks were crushed, split and pulverized to -100 mesh. All samples were analyzed for 34 elements by ICP techniques and for gold by geochemical AA methods. Analytical procedures are more fully outlined in Appendix 2.

A single soil sample (sample number 51592) was collected to verify anomalous gold (190 ppb) contained in a soil sample collected during 1994. The site is situated on line 92+00N at station 117+00E.

RESULTS

No areas of significant mineralization or alteration were located during mapping and prospecting.

Bedrock samples contained only background concentrations of gold (≤ 10 ppb). Barium and strontium are anomalous (1938 and 2236 ppm, respectively) in a sample (51590) of quartz veined andesite from the eastern claim area. Two float samples (52488, 52489) collected near the southern claim line contained 936 and 434 ppb gold, respectively, with 18,873 and 52,654 ppb silver. Sample 52489 also contained elevated lead (69.1 ppm), zinc (243.3 ppm) and mercury (298 ppb). Rock sample results are summarized below.

Table 2

ELEMENT	RANGE	MEDIAN	ELEVATED	ANOMALOUS
Gold	1 - 936 ppb	3 ppb		400 ppb
Silver	1.7 - 52,654 ppb	42 ppb		10,000 ppb
Lead	1.1 - 69.1 ppm	5.2	40 ppm	
Zinc	1.7 - 243.3 ppm	42.1	200 ppm	
Arsenic	0.5 - 36.1 ppm	3.8 ppm	20 ppm	
Mercury	5 - 298 ppb	7.5 ppb	200 ppb	
Strontium	5 - 236 ppm	29.6 ppm		125 ppm
Barium	23 - 1938 ppm	125.5 ppm	500 ppm	1,000 ppm

A soil sample, collected to verify anomalous gold in a 1994 sample, contained only background concentrations of gold (<1 ppb) and other elements.

CONCLUSIONS

The 1995 exploration program on the Taken 1 claim failed to locate any areas of potential economic mineralization. Analytical results for rock samples generally contained only background concentrations of gold and indicator elements. Two samples of float material collected from the southern claim boundary contained anomalous, but subeconomic concentrations of gold and silver.


DISBURSEMENTS

Expenditures to December 5, 1995 on the Taken 1 claim are \$6,650.00, as tabulated below:

Accommodation and Board		1,017.00
ATV Rental		130.00
Communication		80.00
Laboratory		
29 rock samples	@ \$19.50/sample	565.50
Labour		
C. Payne, Geologist	2.5 days @ \$295/day	737.50
K. Karchmer, Geologist	1 day @ \$295/day	295.00
T. Archibald, Prospector	2 days @ \$225/day	450.00
R. Roe, Sampler	2 days @ \$225/day	450.00
J. Goodall, Sampler	2.2 days @ \$225/day	495.00
P. Murphy, Cook	3 days @ \$225/day	675.00
Report		1,000.00
Shipping		145.00
Supplies and Equipment		40.00
Truck and Gas		<u>570.00</u>
Project Total		\$6,650.00

Prepared by:

FOX GEOLOGICAL SERVICES INC.



Peter E. Fox, Ph.D., P.Eng.
December 22, 1995

REPORT DISTRIBUTION:

Phelps Dodge, Toronto Land File	1
Phelps Dodge, Vancouver	2
B.C. Mining Recorder	2

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"Geology of the Fawnie Creek Map Area"; in Geological Fieldwork 1993, Paper 1994-1, British Columbia Geological Survey Branch, 1993.

Diakow, L.J., Webster, I., Levson, V., Giles, T.

"Bedrock and Surficial Geology of the Fawnie Creek Map Area"; Geological Survey Branch Open File 1994-2

Fox, P.E.


"Geochemical Assessment Report on the Taken 1 Claim"; Assessment report by Fox Geological Consultants Ltd. for Phelps Dodge Corporation of Canada, Limited, January 16, 1995.

CERTIFICATE

I, Peter Edward Fox, certify to the following:

1. I am a consulting geologist residing at #902 - 2077 Nelson Street, Vancouver, B.C.
2. I am a Professional Engineer registered in the Association of Professional Engineers and Geoscientists of British Columbia.
3. My academic qualifications are:

B.Sc. and M.Sc., Queens University, Kingston, Ontario
Ph.D., Carleton University, Ottawa, Ontario
4. I have been engaged in geological work since graduation in 1966.



Peter E. Fox, Ph.D., P. Eng.
Vancouver, B.C.
December 22, 1995

APPENDIX 1
ROCK SAMPLE DESCRIPTIONS

SAMPLE	TYPE	DESCRIPTION	Au ppb	Ag ppb	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppb
45698	GRAB	Hazeilton andesite (?), subrounded, siliceous, <1% diss. pyrite.	6	40	4.1	67.2	4.8	0.4	20
45699	GRAB	Angular greenish-grey silicified volcanic, trace diss. fine grained pyrite.	1	55	17.6	14.9	4	0.3	10
45700	GRAB	Aphanitic rhyolite, trace diss pyrite.	1	30	15.5	57.7	6.7	2.7	29
51587	GRAB	S/C, calcareous siltstone overlying basalt, fine diss. sulphide (?), 1% fine-grained, grey augite crystals.	1	30	6.4	68.3	7.9	0.4	8
51588	GRAB	Angular intrusive similar to 51588. Trace diss pyrite. Brownish-orange weathering, minerals poorly defined, slightly calcareous.	1	30	4.9	97.9	3.8	0.8	7
51589	GRAB	Small angular pieces of rusty intrusive taken from soil site 43575.	1	30	10	129.6	3.7	0.2	9
51590	GRAB	Quartz stringers, veinlets in volcanic (andesite?).	1	30	8.1	216.4	1.4	0.2	38
51591	GRAB	Quartz-eye porphyry dacite, manganese staining (?) occurring within quartz-eyes. Grey magnetic basalt to east and Brown Betty non-magnetic basalt to west, within 50m exposure.	1	30	6	73.3	3.3	1.4	12
51593	GRAB	Rock chips from soil site #44116.	2	30	3.4	96.5	2.4	0.8	5
52483	GRAB	Subangular boulder, quartz, massive to brecciated in places with cream coloured chalcedony (?) matrix, no visible sulphides.	3	30	1.7	3.4	1	0.4	109
52484	GRAB	Mottled maroon-purple-green lapilli tuff, clasts to cobble size, chloritic alteration, friable in places, probable boulder.	1	30	2.8	101	5	0.3	20
52485	GRAB	Light grey-green fine grained, silty ash tuff (?), silicified, trace sulphides, sub-rounded boulder at station 113 E 84 N.	1	30	7.2	81.4	2.2	0.2	5
52486	GRAB	Light grey, angular float from road across hilltop, aphanitic, rare quartz, rhyolite, trace sulphides.	38	123	43.3	19.6	20	1.5	6
52487	GRAB	S/C, qtz-eye rhyolite, foliated trace diss. sulphides.	2	30	3.3	29.2	1.3	0.3	5
52488	GRAB	Grey and maroon 1cm quartz veins, calcite veining, angular float beside road.	938	18873	3.1	36.3	28.4	0.9	72
52489	GRAB	Below hill, subangular boulder beside road, fractured quartz, abundant fractures.	434	52654	69.1	243.3	24.7	3.6	298
52805	GRAB	Angular silica flooded quartz phryic rhyolite, abundant limonite staining; 62ppb Au anomaly.	6	87	5.4	31.9	11.9	0.5	23
52806	GRAB	Grey-green fine to medium grained andesite (could be andesite tuff), weak chlorite alteration, trace diss. pyrite.	4	143	3	76.6	0.5	0.2	22
52824	GRAB	Subcrop; flow banded rhyolite, moderately silicified, trace diss. pyrite.	10	90	3.9	22.9	3	1	5
52825	GRAB	Quartz and feldspar phryic rhyolite, weakly silicified, trace diss. pyrite.	3	41	3.2	45.3	3.7	0.9	5
53050	GRAB	Pinkish-orange rhyolite with few quartz stringers. Some rusty weathering but no visible mineralization. Several angular pieces along old fire road. 20m south of L84N/11200E.	20	461	12.5	38.9	10.4	0.8	8
53051	GRAB	Greyish quartz-eye rhyolite with brown and red weathering. Trace cubes of pyrite. 5m S of L84N/11250E (anomalous soil with 10ppb Au, glacial till at site.	4	45	3.2	30.3	2.8	0.4	7
53052	GRAB	Feldspar porphyry rhyolite, 10m E of #53050.	3	75	5.8	7.8	4.4	0.2	5
53053	GRAB	Rhyolite, moderately calcareous from south bank of creek. Rusty weathering in spots, no visible mineralization.	5	81	3.9	31.2	2.8	0.6	5
53054	GRAB	Silica boulder, subangular, approx. 1/2m x 1 1/2m exposed above ground. Off-white with reddish & yellow staining on surface fractures; approx. 20m SE of 84N/11150E.	3	30	1.1	1.7	2.6	0.9	5
53055	GRAB	Rhyolite with quartz stringers on side of fire road.	29	376	3.7	15.5	18.8	0.3	5
53115	GRAB	Subcrop in the burn approx. 150m from LCP at 020 deg. Rhyolite flow breccia, clast supported, probably bedrock, non-magnetic, clasts are purple-grey, with quartz-eyes.	4	533	10.2	25.3	36.1	1.6	5
53116	GRAB	Fine grained grey andesite, biotite, highly magnetic, fractures are north-south and near vertical.	3	43	5.5	65.6	0.5	0.2	6

APPENDIX 2

ANALYTICAL PROCEDURES

ICP: A 30 gram sample is digested with 180 millilitres 3-1-2 HCl-HNO₃-H₂O at 95° Centigrade for one hour and is diluted to 100 millilitres with water. This leach is partial for Mn, Fe, Sr, Ca, P, La, Cr, Mg, Ba, Ti, B, W and limited for Na, K, Ga and Al. Solution is analysed directly by ICP. Mo, Cu, Pb, Zn, Ag, As, Au, Cd, Sb, Bi, Tl, Hg, Se, Te and Ga are extracted with MIBK-aliquat 336 and analysed by ICP.

Au⁺: Gold is extracted by aqua-regia/MIBK extract, GF/AA finished.

APPENDIX 3
GEOCHEMICAL ANALYSES



GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Phelps Dodge Corp. PROJECT 246 File # 95-2419 Page 1

1409 - 409 Granville St., Vancouver BC V6T 1T2 Submitted by: Geoff Goodall

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga	Au+	
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb
45698	2.2	23.9	4.1	67.2	40	17	11	710	3.31	4.8	<5	2	62	.15	.4	.1	72	.75	.070	6	35	1.18	82	.16	4	1.73	.15	.26	2	.1	20	.6	<.1	7.7	6	
45699	1.2	6.3	17.6	14.9	55	2	1	79	.29	4.0	<5	2	5	.02	.3	<.1	2	.04	.005	7	4	.02	23	<.01	3	.29	.05	.11	<2	.1	10	<.3	<.1	.8	1	
45700	2.1	4.9	15.5	57.7	<30	3	7	859	4.35	6.7	<5	2	14	.17	2.7	.1	54	1.09	.094	16	5	.06	118	.06	<2	.28	.05	.18	<2	.1	29	<.3	<.1	1.0	1	
51587	.8	16.2	6.4	68.3	<30	8	12	602	3.10	7.9	<5	4	137	.13	.4	.1	86	3.20	.110	18	5	1.30	518	.11	4	1.08	.04	.32	<2	.1	8	<.3	<.1	3.0	<1	
51588	.7	3.7	4.9	97.9	<30	5	14	1404	2.99	3.8	<5	2	50	.74	.8	.1	80	2.61	.092	12	5	.72	1419	.01	3	.56	<.01	.04	<2	<.1	7	<.3	<.1	1.5	<1	
51589	.6	3.6	10.0	129.6	<30	7	18	925	4.12	3.7	<5	2	36	.59	.2	.1	116	1.23	.108	7	9	.36	369	<.01	5	.82	<.01	.14	<2	<.1	9	<.3	.1	2.0	<1	
51590	.2	28.9	6.1	216.4	<30	1	17	1924	6.59	1.4	<5	2	236	2.41	.2	<.1	36	11.81	.018	3	<1	5.53	1938	<.01	3	.21	.01	.08	<2	<.1	38	<.3	<.1	<.5	<1	
51591	1.2	5.2	6.0	73.3	<30	1	6	1078	3.87	3.3	<5	1	52	.24	1.4	<.1	20	2.36	.064	9	1	1.14	225	<.01	3	.35	.03	.19	<2	.1	12	<.3	.1	1.2	1	
51593	.8	11.0	3.4	96.5	<30	3	7	1217	3.78	2.4	<5	2	13	.20	.8	.1	33	.38	.098	14	4	.14	320	.01	4	.83	.04	.24	<2	<.1	<.5	<.3	<.1	2.1	2	
52483	2.4	5.7	1.7	3.4	<30	8	<1	90	.42	1.0	<5	<1	7	.04	.4	.2	1	.13	<.002	<1	13	.04	274	<.01	<2	.04	<.01	.01	3	<.1	109	<.3	<.1	<.5	3	
RE 52483	2.5	6.0	1.5	2.3	<30	9	1	82	.41	.7	<5	<1	7	.03	.4	.1	1	.13	<.002	<1	12	.03	269	<.01	<2	.04	<.01	.01	2	.1	103	<.3	<.1	<.5	3	
RRE 52483	2.4	6.0	2.0	1.7	<30	5	<1	128	.33	<.5	<5	<1	2	.01	.2	.1	1	.03	.002	<1	11	.01	14	<.01	<2	.04	.01	.01	2	<.1	97	<.3	<.1	<.5	1	
52484	.8	5.0	2.8	101.0	<30	44	20	1594	5.46	5.0	<5	2	8	.20	.3	.3	109	.29	.038	9	84	2.88	39	.10	<2	2.43	.03	.07	<2	<.1	20	<.3	<.2	9.6	1	
52485	1.4	14.2	7.2	81.4	<30	4	8	581	2.86	2.2	<5	3	22	.23	.2	.3	84	1.02	.093	23	4	.76	67	.20	3	1.19	.06	.11	<2	<.1	<.5	<.3	<.1	10.4	1	
52486	2.2	15.9	43.3	19.6	123	5	2	342	.82	20.0	<5	3	5	.10	1.5	.1	2	.06	.022	15	5	.02	56	<.01	<2	.27	<.01	.24	<2	<.1	6	<.3	<.1	<.5	38	
52487	1.2	6.4	3.3	29.2	<30	4	2	757	1.14	1.3	<5	4	5	.09	.3	<.1	6	.06	.025	16	8	.11	61	<.01	2	.37	.01	.23	<2	.2	<.5	<.3	<.1	.9	2	
52488	1.5	11.1	3.1	36.3	18873	4	3	1239	1.20	28.4	<5	3	15	.08	.9	<.1	5	2.84	.017	8	6	.05	103	<.01	<2	.16	.01	.16	<2	<.1	72	.5	<.1	<.5	936	
52489	2.4	79.7	69.1	243.3	52654	7	1	2353	1.16	24.7	<5	<1	21	1.91	3.6	<.1	9	1.43	.008	7	7	.14	100	<.01	<2	.08	<.01	.07	<2	.2	298	.6	<.1	.8	434	
52804	2.2	8.0	6.9	31.3	1068	4	3	855	1.28	15.6	<5	<1	30	.18	.5	<.1	4	1.85	.009	6	9	.09	538	<.01	<2	.14	.01	.13	<2	<.1	75	<.3	<.1	<.5	20	
52805	1.9	7.3	5.4	31.9	87	6	3	755	1.20	11.9	<5	3	7	.15	.5	.1	10	.09	.031	11	8	.05	125	<.01	3	.33	.01	.23	<2	<.1	23	<.3	<.1	<.5	6	
52806	.7	22.6	3.0	76.6	143	8	12	502	3.29	<.5	<5	3	18	.08	<.2	.2	96	.69	.108	21	5	1.89	322	.10	<2	1.62	.06	.29	<2	<.1	22	<.3	<.1	8.7	4	
52823	2.7	57.7	7.2	40.9	250	16	6	1118	3.80	7.0	<5	1	173	.15	.3	.8	56	6.82	.065	6	7	1.21	49	.02	<2	2.54	.33	.17	<2	<.1	16	1.0	<.1	8.2	3	
RE 52823	2.8	60.4	7.6	39.2	246	15	5	1088	3.66	7.6	<5	1	167	.17	.2	.8	54	6.63	.061	6	6	1.15	43	.02	2	2.43	.31	.15	<2	.1	13	1.0	<.1	7.9	3	
RRE 52823	2.6	58.0	7.9	39.3	274	16	7	1051	3.60	7.4	<5	1	162	.16	.4	.9	54	6.26	.058	6	7	1.13	37	.02	<2	2.41	.32	.16	<2	.2	13	1.1	<.1	8.0	3	
52824	1.4	2.7	3.9	22.9	90	5	2	536	1.18	3.0	<5	3	8	.13	1.0	.2	15	.37	.014	15	6	.03	65	.01	2	.27	.01	.22	<2	.1	<.5	<.3	<.1	.5	10	
52825	1.7	4.9	3.2	45.3	41	4	4	942	1.79	3.7	<5	4	10	.18	.9	.2	20	.35	.020	13	8	.03	152	.01	2	.24	.01	.22	<2	<.1	<.5	.3	<.1	.6	3	
53050	1.8	12.3	12.5	38.9	461	4	2	262	1.16	10.4	8	4	9	.18	.8	.2	12	.21	.015	11	8	.02	137	<.01	<2	.18	.01	.19	<2	.1	8	<.3	<.1	.7	20	
53051	2.0	2.6	3.2	30.3	45	3	2	682	1.46	2.8	<5	5	8	.18	.4	<.1	17	.25	.021	15	7	.03	143	.01	4	.27	.04	.19	<2	<.1	7	<.3	<.1	1.4	4	
53052	1.1	4.5	5.8	7.8	75	4	<1	86	.42	4.4	<5	3	5	.04	.2	.1	2	.07	.019	19	5	.02	78	<.01	<2	.32	.01	.24	<2	<.1	5	<.3	<.1	<.5	3	
53053	1.4	7.1	3.9	31.2	81	6	2	514	1.39	2.8	5	2	14	.16	.6	.3	19	1.00	.021	13	7	.07	112	<.01	3	.32	.02	.26	<2	<.1	<.5	<.3	.1	1.7	5	
53054	3.8	7.4	1.1	1.7	<30	10	1	83	.42	2.6	<5	<1	11	.02	.9	.6	1	.01	<.002	<1	15	<.01	541	<.01	<2	.01	<.01	.01	3	<.1	<.5	<.3	<.1	<.5	3	
53055	1.8	5.5	3.7	15.5	376	8	2	846	1.15	18.8	<5	3	12	.06	.3	.3	5	.84	.013	9	8	.01	94	<.01	2	.16	.01	.19	<2	.1	<.5	<.3	<.1	<.5	29	
53113	2.6	3.3	3.5	5.7	155	5	1	129	.61	1.6	<5	6	8	.04	<.2	.3	1	.04	.011	16	4	.01	290	<.01	<2	.34	<.01	.12	<2	<.1	<.5	<.3	.1	<.5	4	
53114	1.8	17.8	11.9	61.9	157	4	5	569	2.28	14.3	<5	1	107	.24	.2	.6	34	1.15	.034	3	8	.65	169	.17	<2	2.03	.20	.48	<2	<.1	8	<.3	.3	6.4	2	
STANDARD	22.8	124.6	81.5	266.0	1972	29	14	935	4.22	75.5	24	21	59	2.29	9.1	21.7	70	.68	.085	19	53	1.15	232	.14	30	2.18	.05	.72	19	2.1	483	1.2	2.1	7.3	546	

Standard is STANDARD D/AU-R.

ICP - 30 GRAM SAMPLE IS DIGESTED WITH 180 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MW FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP.

- SAMPLE TYPE: P1 TO P2 ROCK P3 SOIL AU+ - AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 1995 DATE REPORT MAILED: Aug 5/95 SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au ppb
53115	2.2	28.6	10.2	25.3	533	8	4	785	1.19	36.1	8	3	9	.19	1.6	.3	3	.59	.023	11	11	.02	126	<.01	<2	.17	.01	.20	2	<.1	<5	<.3	.1	.6	4
53116	.7	26.3	5.5	65.6	43	7	10	476	3.06	<.5	<5	1	30	.16	<.2	.1	79	1.50	.097	20	6	1.38	231	.09	<2	1.25	.06	.26	2	<.1	6	<.3	.2	7.5	3
RE 53116	.7	27.7	5.6	77.6	45	8	12	546	3.60	<.5	<5	2	35	.17	<.2	.3	93	1.73	.113	23	7	1.64	273	.10	<2	1.47	.07	.30	2	<.1	<5	.4	.1	8.6	8

Sample type: ROCK. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga	Au+
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm	ppb
51592	.8	14.6	5.8	196.3	70	7	8	932	5.33	1.3	<5	3	20	.22	.3	.2	66	.38	.083	15	14	.23	433	.11	<2	1.51	.01	.13	<2	<.1	77	<.3	.1	3.1	<1

Sample type: SOIL.

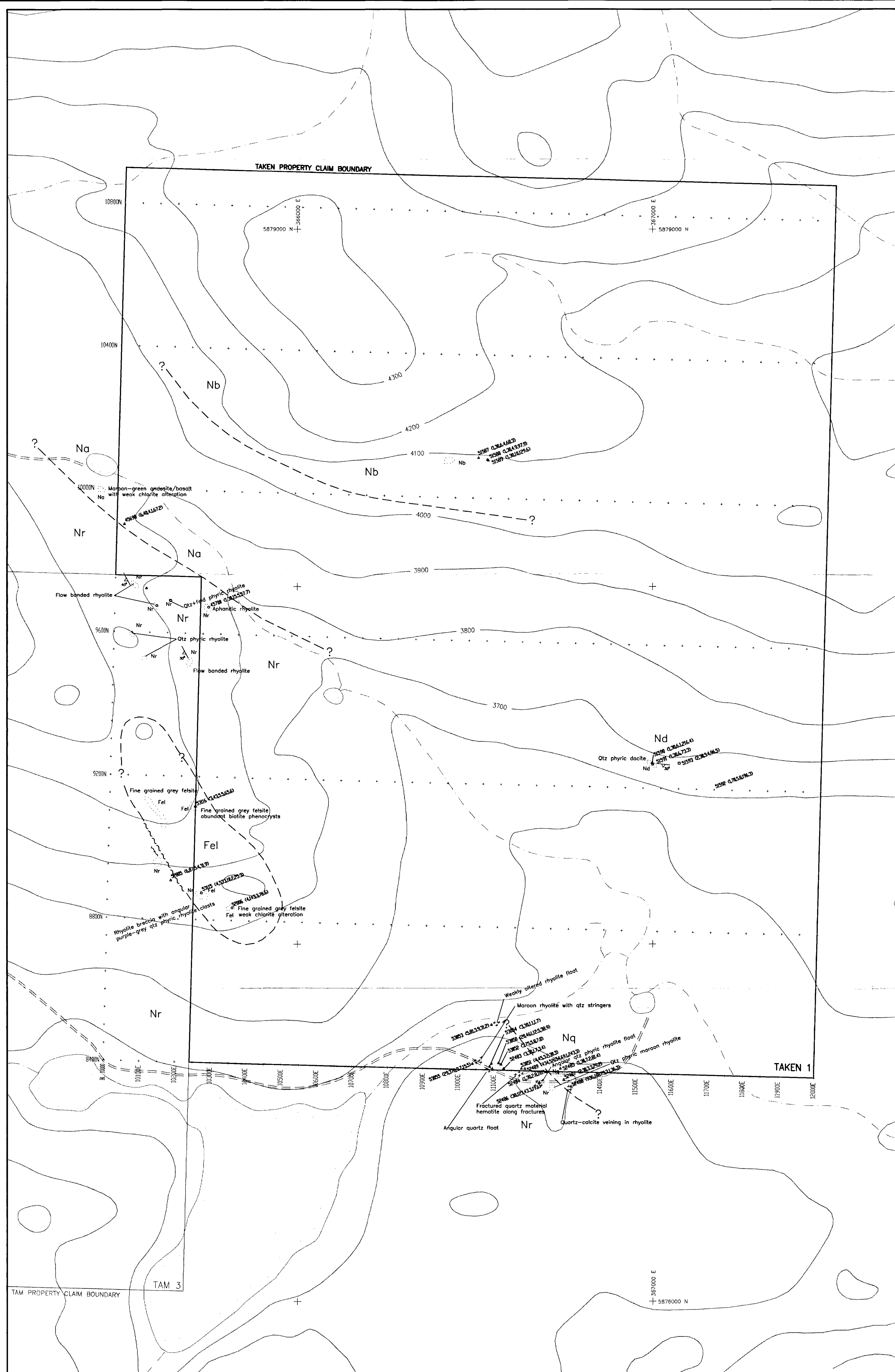
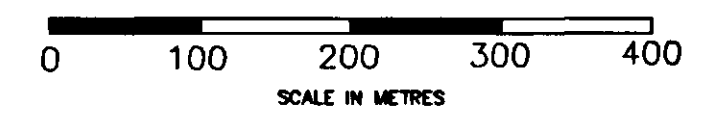
LEGEND

MIDDLE JURASSIC HAZELTON GROUP

- FEL Felsite, greenish grey, fine grained with abundant biotite phenocrysts
- Nb Basalt and minor andesite, locally abundant augite phenocrysts
- Na Andesitic flows and lapilli tuff, tuff and minor pyroclastic rocks
- Nd Dacite flows and tuff, locally quartz phytic light grey to white
- Nq Lapilli tuff, mottled maroon to green with quartz phenocrysts
- Nr Rhyolite, maroon to light green, flow banded locally quartz and/or feldspar phytic, minor lapilli tuff

SYMBOLS

- Geological contact (approximate)
- Fault (approximate)
- Outcrop
- Shear (inclined, vertical)
- Float
- Joint (vertical)
- Layering (inclined)
- Zinc ppm
- Lead ppm
- Silver ppb
- Gold ppb
- Rock sample number
- Outcrop
- Float
- Talus
- Zinc ppm
- Lead ppm
- Silver ppb
- Gold ppb
- Soil sample number
- Soil sample site
- 1994 grid
- Lake / pond
- Creek
- Contour; (contour interval 100ft)
- UTM coordinate
- Road



PHELPS DODGE CORP. CANADA LIMITED				
PROJECT NO. 246 (TAKEN PROPERTY)		OMINECA M.D.		
PROPERTY GEOLOGY and ROCK GEOCHEMICAL RESULTS				
SCALE	DATE	BY	NTS. NO.	FIGURE
1:5000	DEC/95	CWP	93 F/2,3	4
FOX GEOLOGICAL SERVICES INC.				